

Team:

Tarun Singh
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GitHub names:

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Project Title: Leave Management System**Description:**

A company has a large number of employees which includes full/part time employees and contractors. To smoothly manage the leave tracking operations of the company employees and to make the process error free and faster, the management has come up with a proposal to create an online, web based application called LMS (Leave Management System). Being an online application, LMS can be accessed through internet round the clock and is also an environment friendly way to avoid paper based processing of employee leave data and leave approval tracking details. The new system will greatly reduce the amount of time spent in leave processing because company's present system of manual tracking is very slow.

Completed Class diagram:**Summary of work done:**

We have mainly worked on the software implementation of the project. All java classes and enums in the class diagram have been created as per the class diagram (which has been committed to git). Web pages (UI Mock up implementation) has been completed in Java.

Breakdown of individual work:

Initial project idea: Tarun

Project Part 2

Project Requirements: Rohith
Use case Diagram and subdiagrams: Vennela, Tarun
Use case document: Vennela
Activity Diagram: Tarun, Vennela
UI Mock ups: Rohith
Class Diagram: Rohit, Tarun
Sequence Diagram: Vennela, Rohith

Software Implementation of classes:

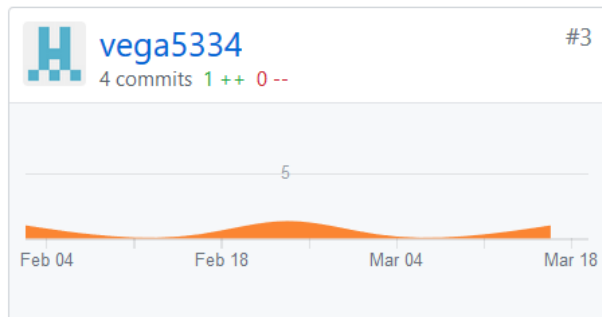
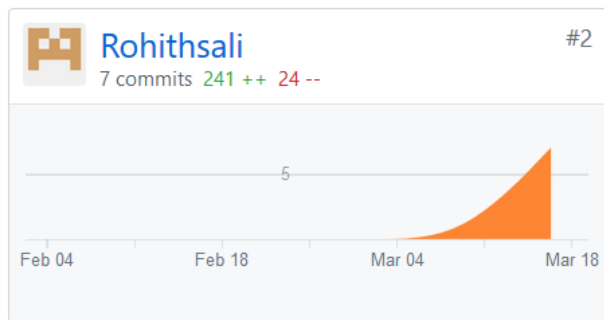
Employee: Tarun
LeaveApplication : Tarun, Rohith
User, HR: Vennela
Manager, LeaveBalance, linking to Database : Rohith
Web pages: Rohith

Github Graph:

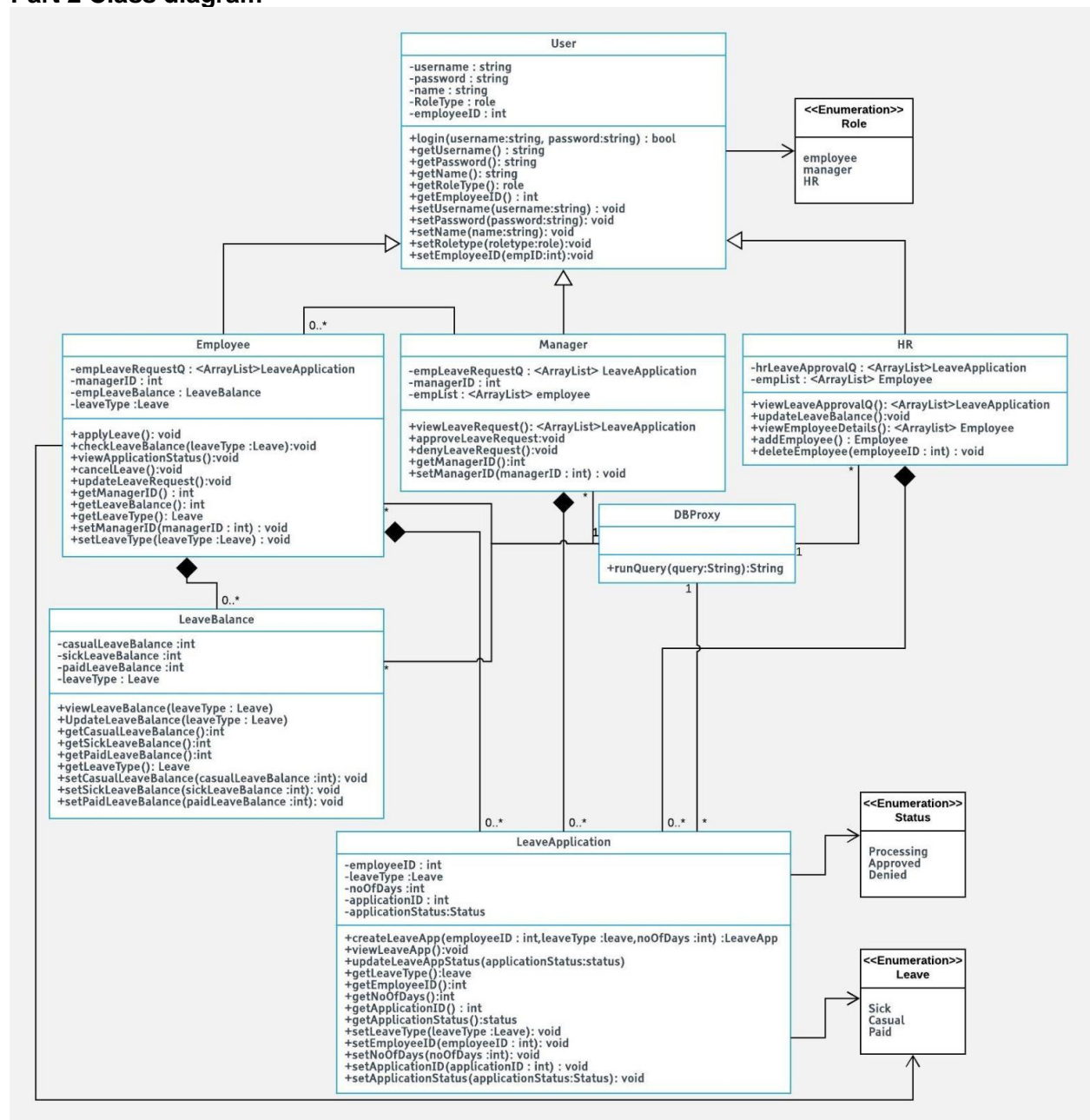
Feb 4, 2018 – Mar 21, 2018

Contributions: Commits ▾

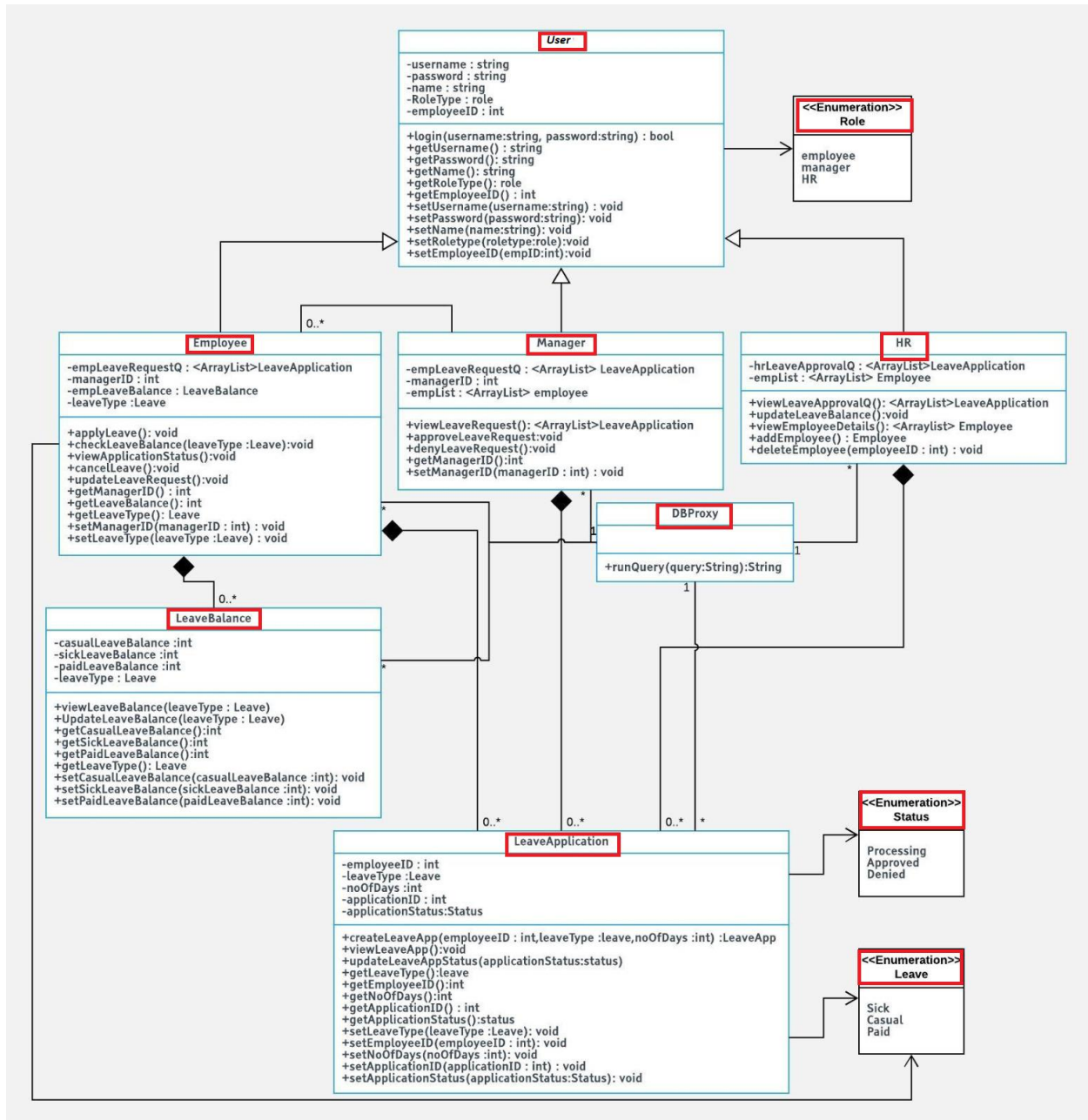
Contributions to master, excluding merge commits



Part 2 Class diagram



Revised Class Diagram



Class implemented are marked in Red.

Estimated remaining effort:

1. Implementation of suitable design pattern
2. Implementation of class interaction
3. Linking web pages

Plans for next iteration:

1. The main objective is to identify a suitable design pattern and to apply it to our current implementation
2. Implement class interaction details